halocline

Productivity. Safe by Design!
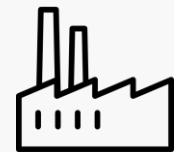
- **Made in Germany**
- **100+ customers** of all branches and sizes
- **1.000+ projects / year**

AIRBUS · POLIPOL UNTERNEHMENSGRUPPE · Lenze · SENNHEISER
DAIMLER · KAMPMANN · KHS Filling and Packaging – Worldwide · METTLER TOLEDO
SANNER · SCHOTT glass made of ideas · Flottweg · Pure Freude an Wasser GROHE
item · PHŒNIX CONTACT · Mercedes-Benz · SCHMITZ CARGOBULL The Trailer Company.
KRONE · FLENDER · LMZ · DRÄXLMAIER
ebmpapst · PÖTTINGER · KÄRCHER · AGCO Your Agriculture Company FENDT
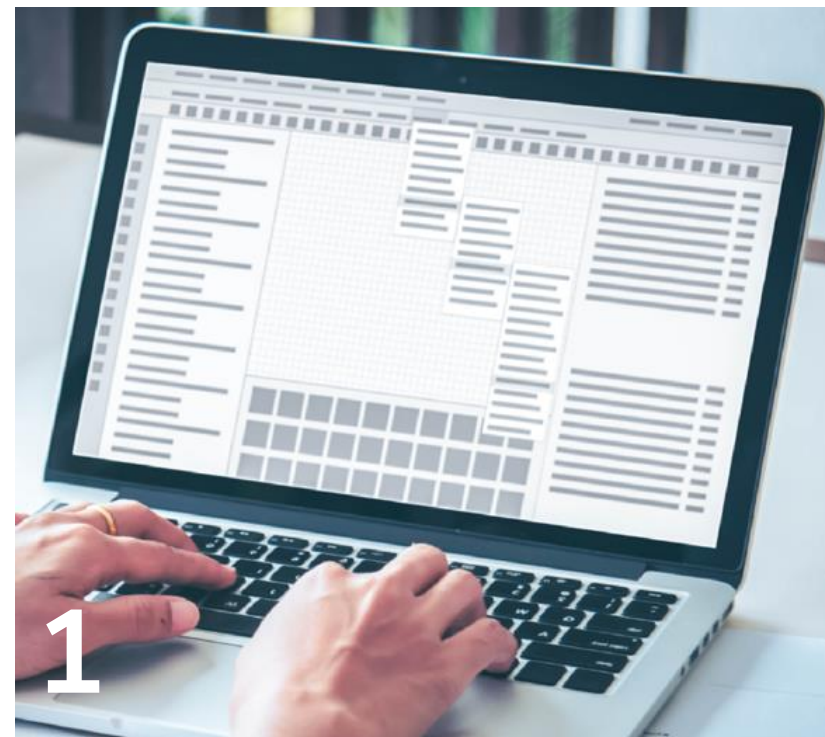ifm · Eberspächer · rexroth A Bosch Company · MAHLE

Plan, validate and optimize your production hall.

Optimize time, costs, and quality simultaneously and early on

Halocline solves urgent challenges

To stay competitive, you need to adapt fast.
Todays planning processes take far too long.

1

Digital planning requires
expert knowledge

2

High effort to keep
everyone involved

3

Increase productivity of
manual work

4

Invest in new production
systems is risky

Why should you use Halocline?

40% reduction of project time
75% when compared to cardboard engineering

20% shorter process time
due to optimized layout and processes

> 75k € cost reduction
additional savings through virtual validation + earlier optimization

**60% less travel**
reduction of travel cost and CO2 emissions
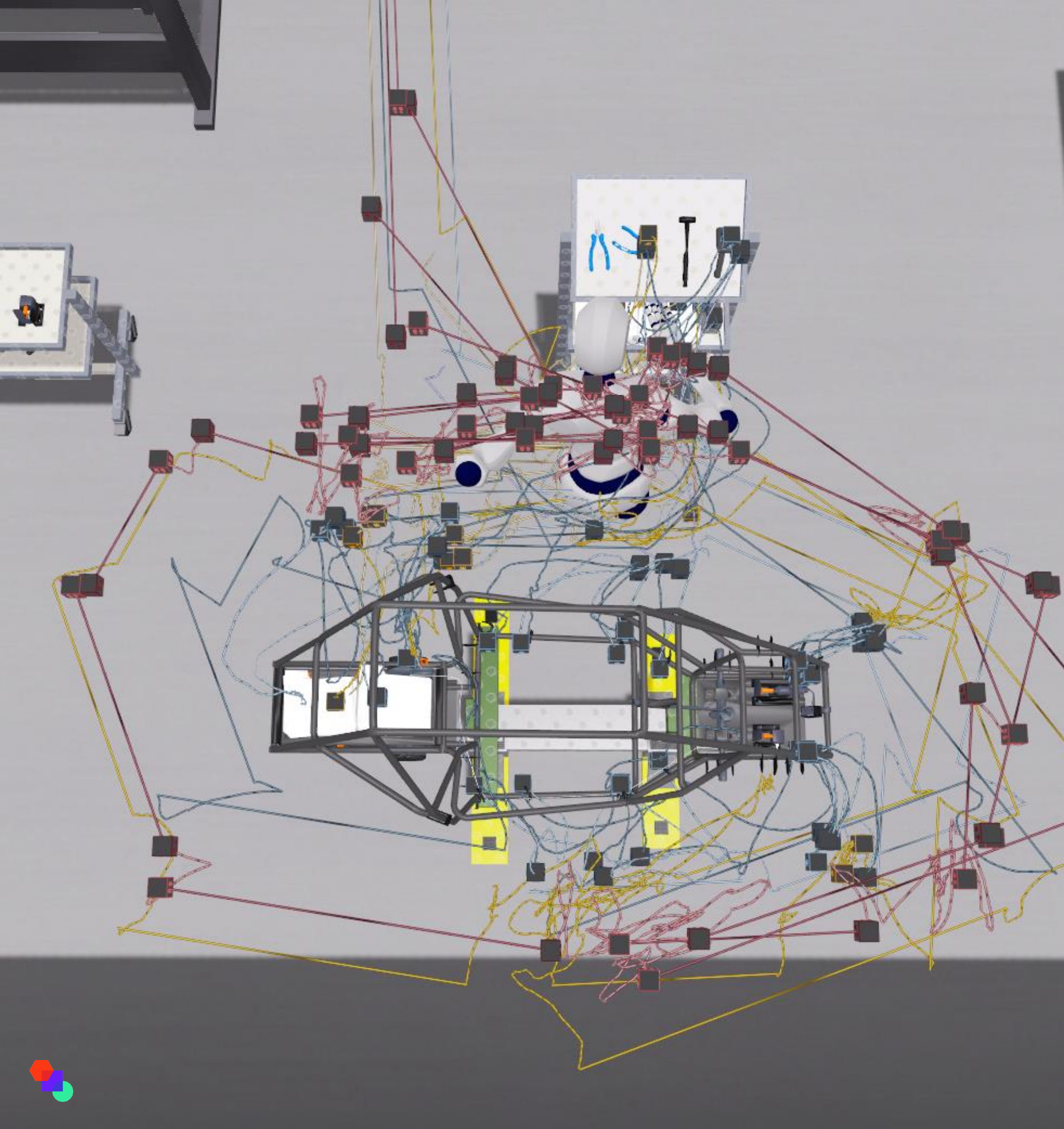
Faster results and better communication
High accessibility, ease-of-use and very short onboarding time allow interdisciplinary collaboration

↓ 20 %   ↓ 40 %   ↓ 75 000 €   1 h

100 %   ↓ 60 %
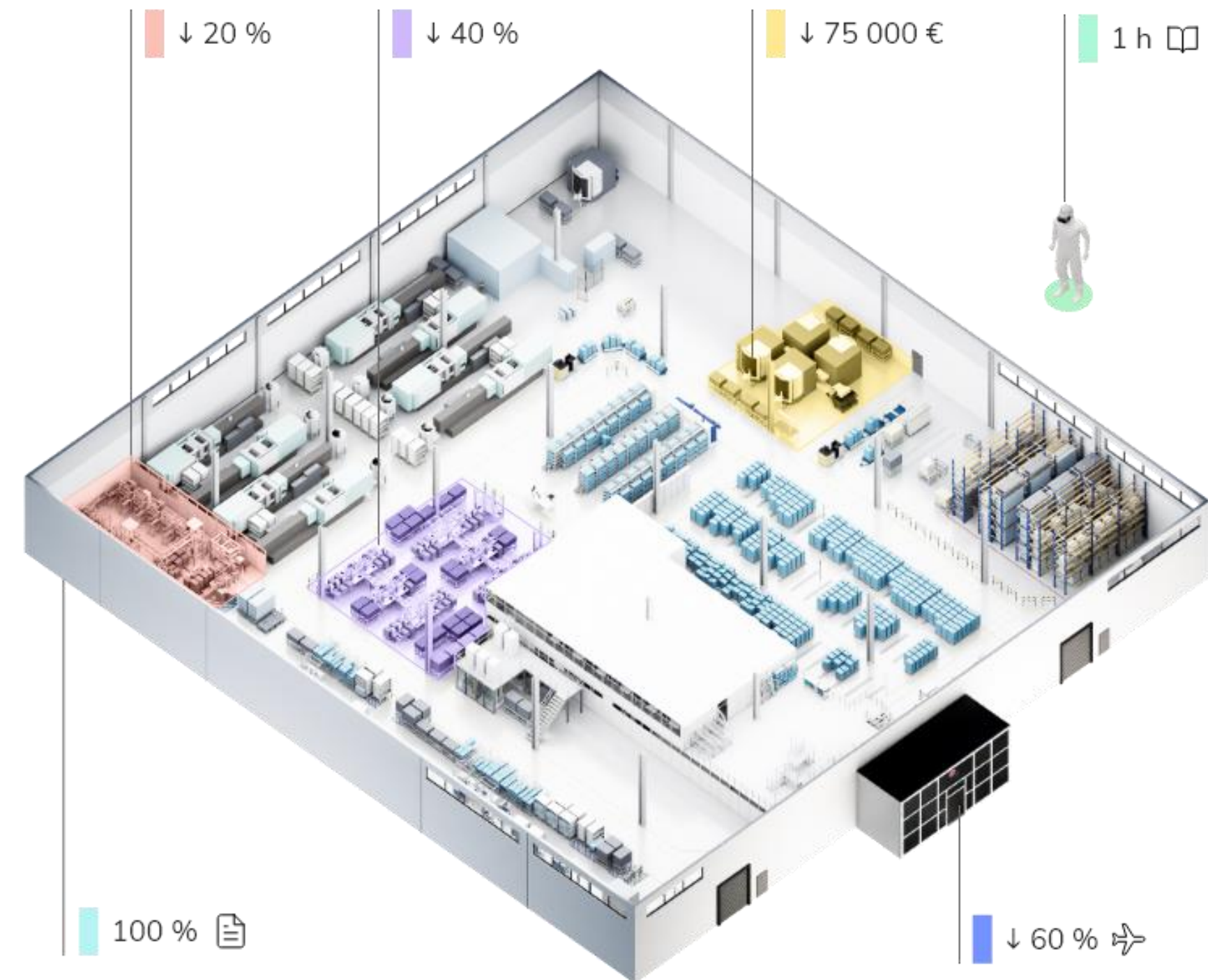
Deliver on planning tasks without any prerequisits

Halocline is fully featured to quickly get from layout planning to realization on the shopfloor.
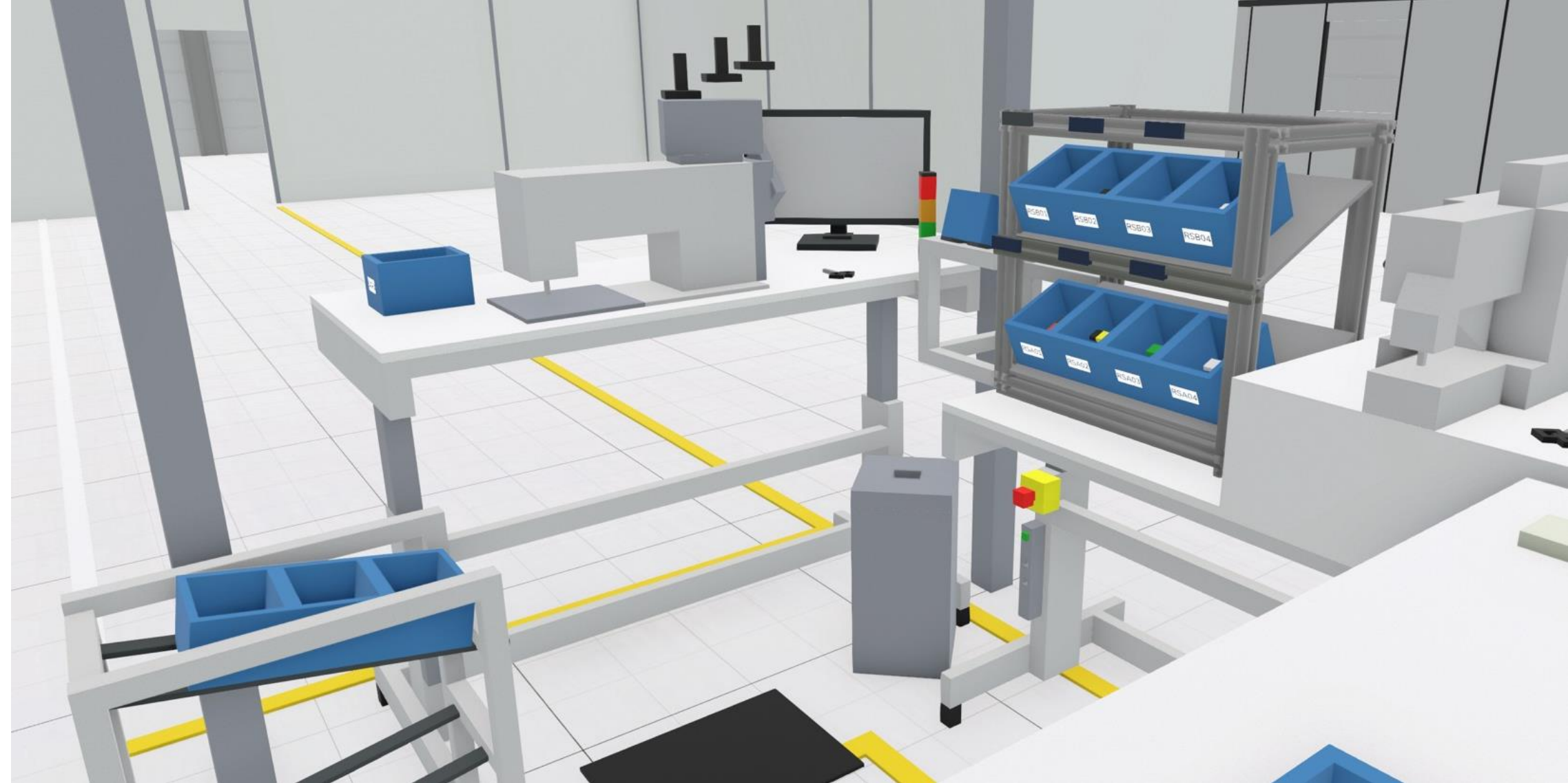
Define working processes and validate efficiency

Optimize material placement and walking paths for your layout. Assure adherence to standards and guidelines.
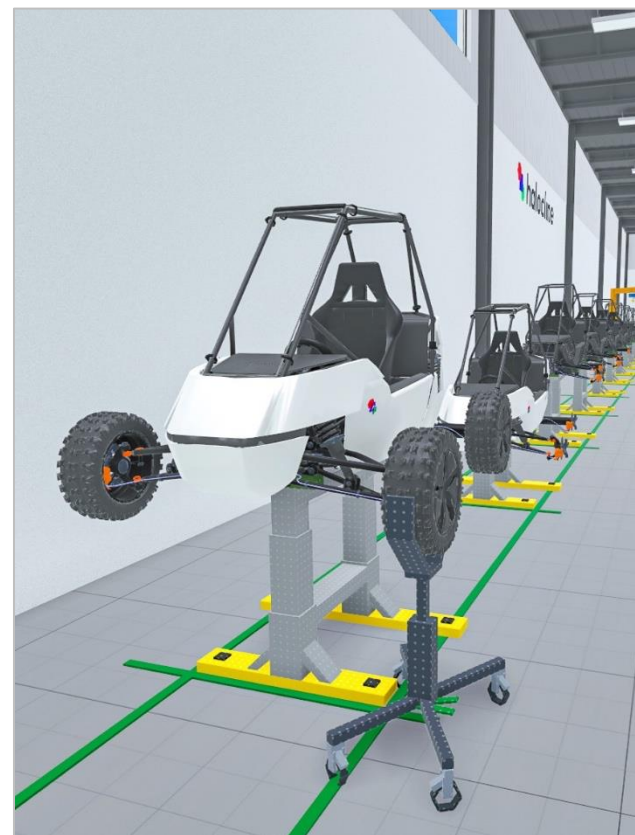
Collaboration between all stakeholders

Share your plan with your colleagues. View using our Desktop app or meet directly in the virtual shopfloor.
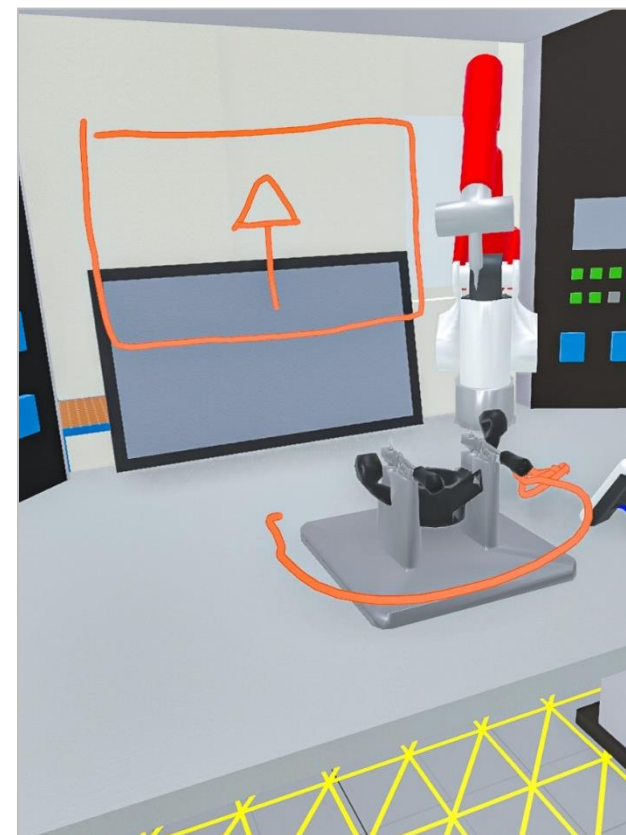
Project workflows for the industry

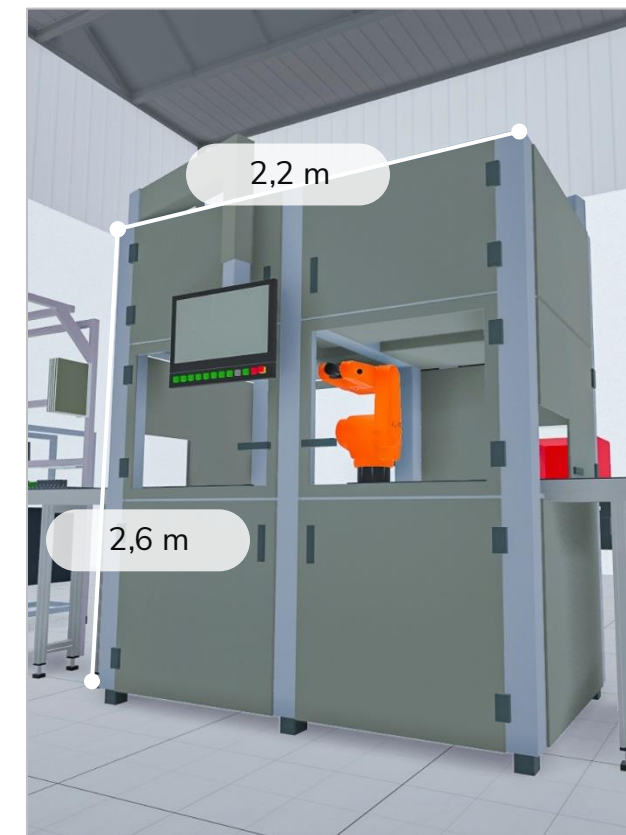Halocline supports you in a wide range of frequent planning tasks.
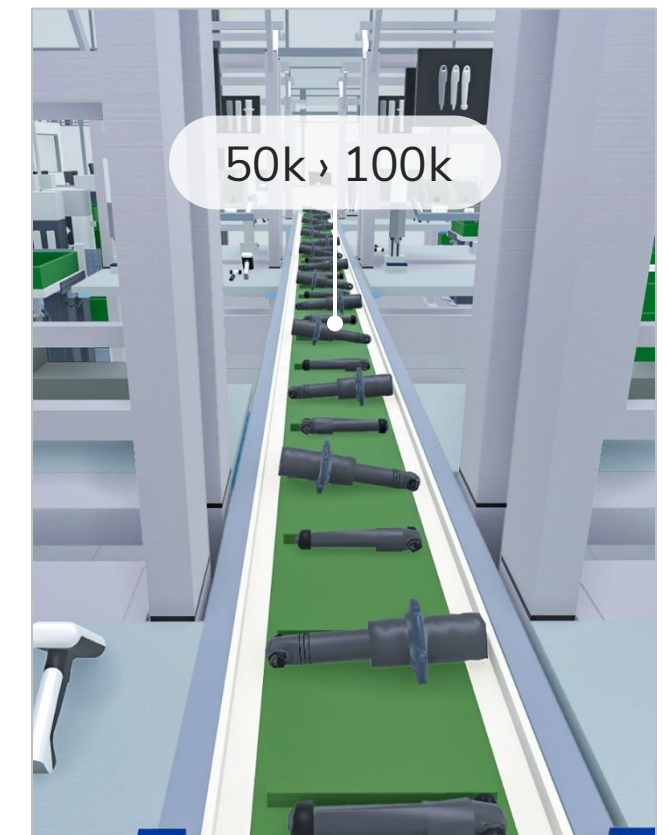

Integration of a new product

Relocation or reshoring

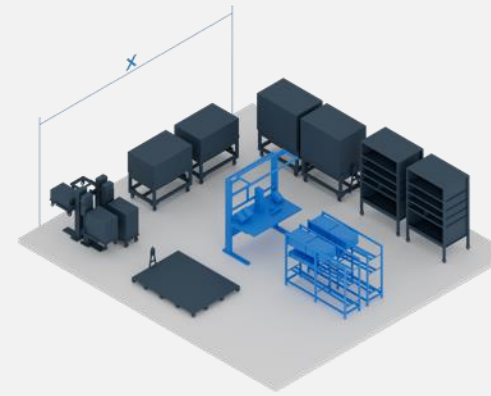Kaizen and optimization

Automation and changing machinery

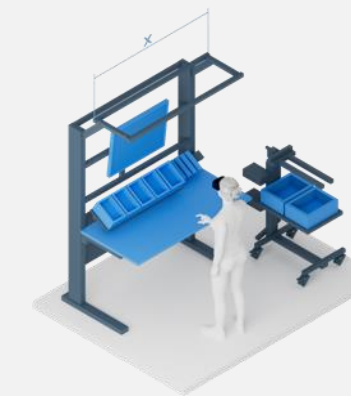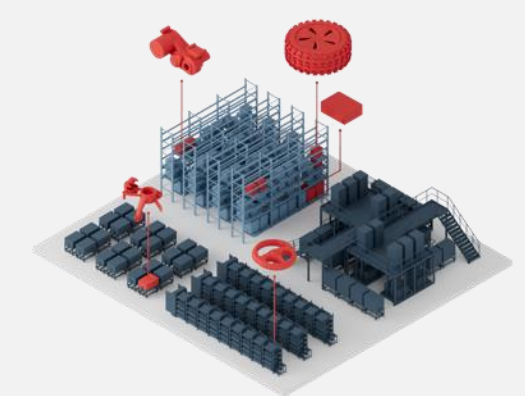Quantity adjustments

Use cases & methods

Halocline provides comprehensive support for industrial planning tasks.
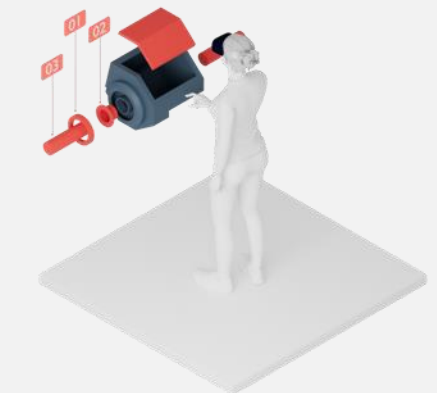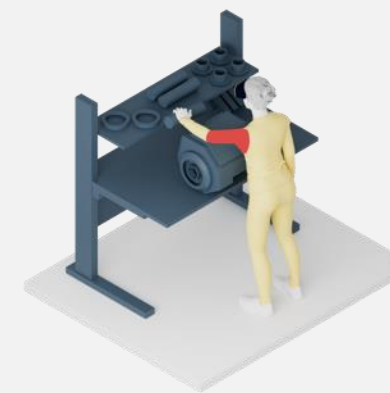

Layout planning

Workstation design

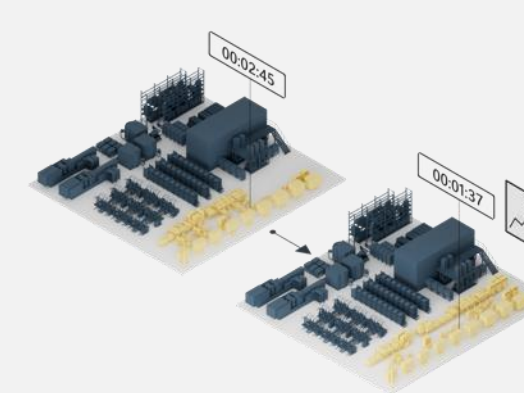Material planning

Worker involvement

Supplier coordination

Design for manufacturing

Check guidelines & ergonomy

Compare variants

Communicate and decide

Virtual layout planning

Introduction of virtual layout planning.
Replacing old 2D layouts with a complete 3D
model of the shopfloor

Top ROI

▸ Replaced Cardboard Engineering
▸ Faster digital planning company-wide
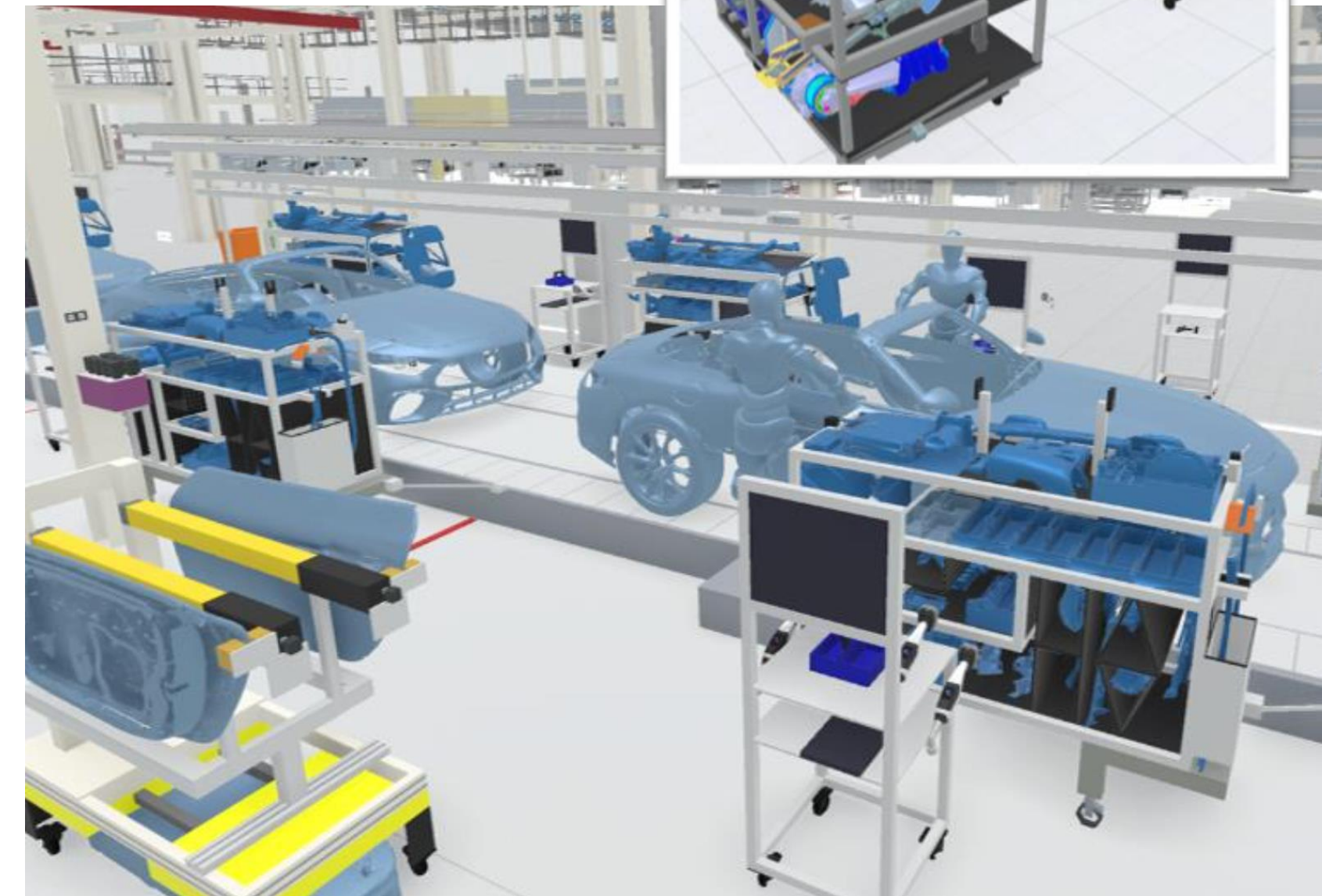▸ Less changes during production

→ The full story

Final car assembly line

2 years planning project of a complete car assembly line on 11.000 sqm, with introduction of just-in-sequence material supply

Top ROI

‣ 2 months earlier start of production

‣ 10 % less CAPEX

‣ Outstanding first-time quality

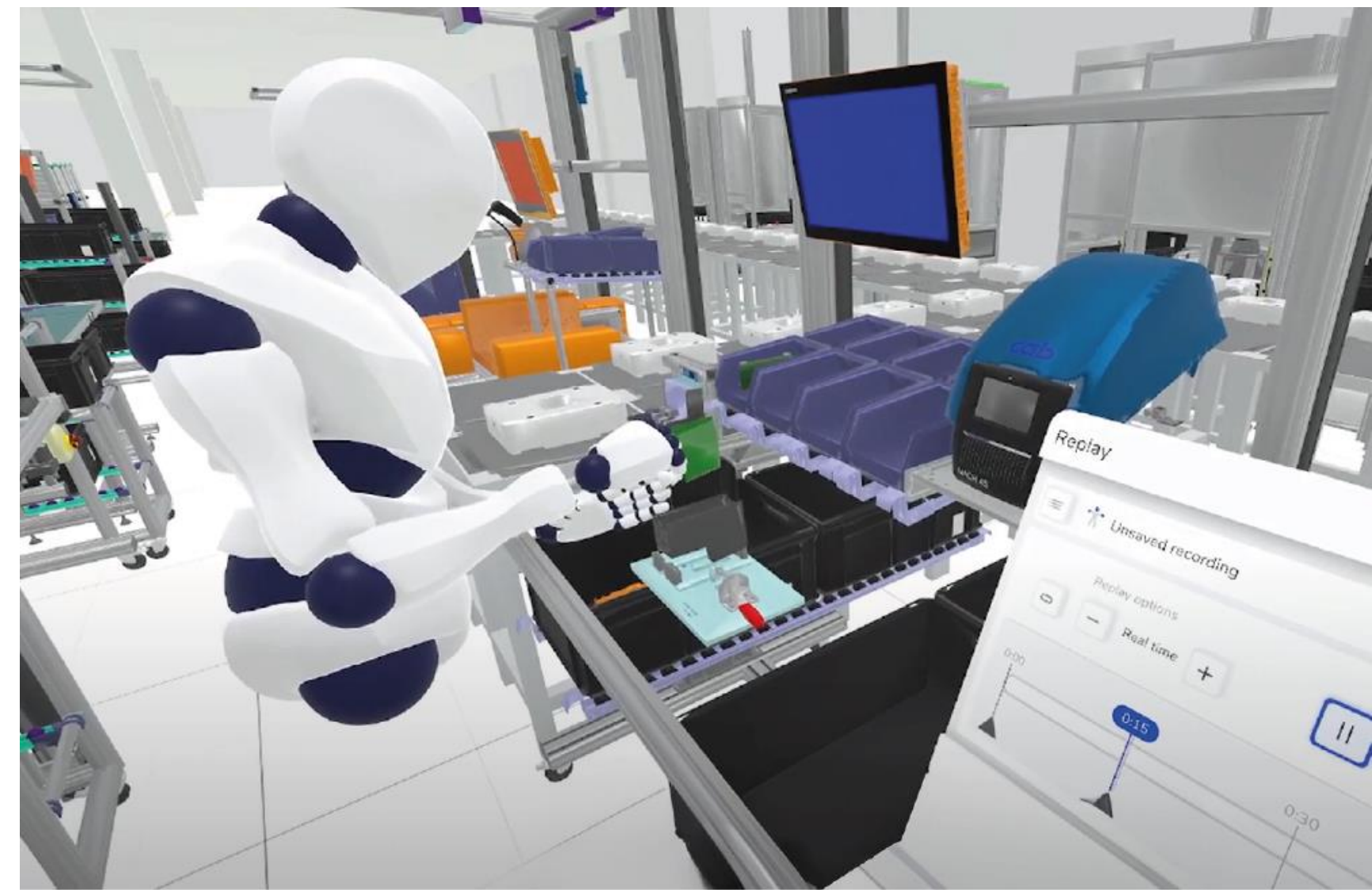‣ High acceptance for just-in-sequence

Assembly Process Optimization

VR-based planning and optimization of work-stations for manual assembly processes for new products

Top ROI

▸ 4x faster design of new work-stations

▸ Improvements on digital prototypes

▸ Communication with workers

→ **The full story**

Production line planning

Layout of a production line for mass production of sensor-product with many variants

Top ROI

‣ 50% planning time reduction & less errors
‣ „10 minutes to feedback"
‣ Replaced cardboard engineering

→ The full story

MTM-Analysis for work-stations

Time-based analysis of new work-stations concepts for manual assembly processes.

Top ROI

‣ Automated MTM-Analysis
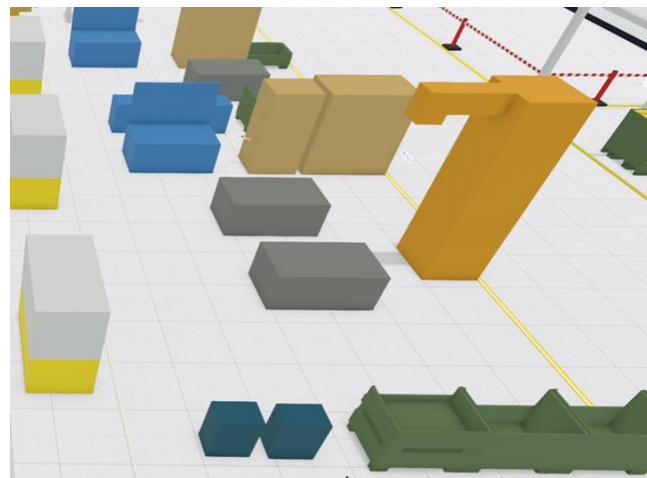‣ Virtual approval to pass qualification gates
‣ Multi-Site collaboration

→ The full story

How Halocline works

Halocline offers comprehensive and easy-to-use functions
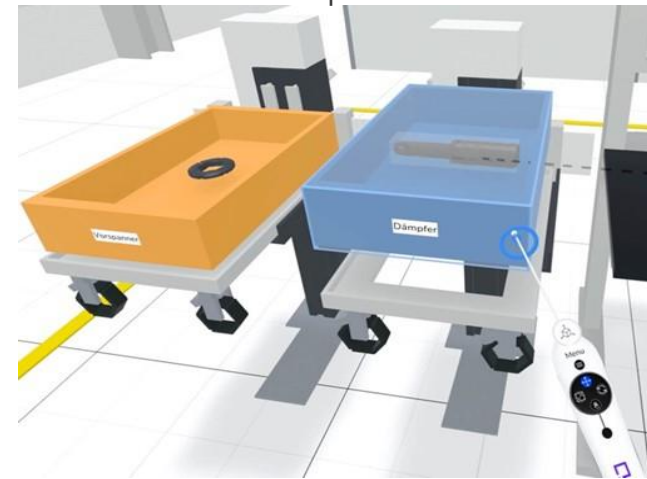for your planning tasks.

1. Sketch concepts

3. Detailed planning

5. Large object library
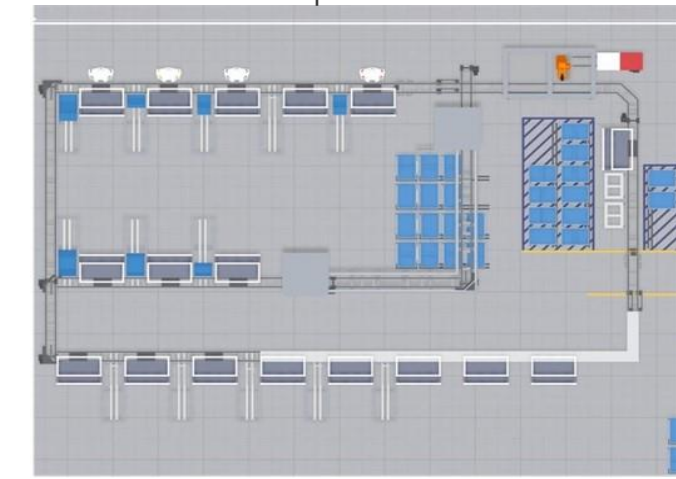

7. Manage virtual factory

2. Integrate product data

4. Organize material supply

6. Test and validate

8. View and share

halocline

Productivity. Safe by Design!

Start a new era of planning right away, hassle-free and free of charge!

Start for free!